but they had as yet no Wings. This Obſervation ſhews, that the Author of the foregoing Account was miſtaken, when he ſays, "Theſe Inſects had at firſt "the Form of Grubs, or ſmall Worms." They change their Skin ſeveral times, but they do not acquire Wings till they have changed for the laſt time.

The Graſshoppers that were taken in *England* in 1748. have been compared with thoſe that have been ſent over from *Hungary* and from *Poland* that ſame Year, and they have been found to be perfectly of the ſame kind. There are in Sir *Hans Sloane*'s Collection * ſome of the ſame ſort of Locuſts or Graſshoppers, preſerved in Spirits of Wine, and which were taken up here above thirty Years ſince, and are exactly like thoſe from *Egypt* and *Barbary*.

X. *A Letter from Mr.* Henry Baker *F.R.S. to the* Preſident, *concerning ſome* Vertebræ *of* Ammonitæ, *or* Cornua Ammonis; *communicated to Mr.* Baker *by the Rev. Dr.* Miles *F.R.S.*

SIR,

Read Feb. 9 1748-9. I HAVE now the Honour to lay before you a curious and moſt extraordinary Foſſil, which was lately ſent to me for that Purpoſe by my worthy Friend Dr. *Miles*, of *Tooting*, *F.R.S.* It conſiſts of 26 Joints, which he calls *Vertebræ*, and I believe ſuppoſes to have been the Joints of the Back-Bone or Tail of ſome Animal; but, upon conſidering

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* See Sir *Hans Sloane*'s Hiſt. of *Jamaica*, vol. I. p. 29.

ſidering them with Attention, they will perhaps rather be judged to be the ſeveral articulated Diviſions that compoſe the Body of ſome kind of *Nautilus*, or of ſome one or other of the various Species of the *Ammonitæ:* Which Opinion is I think ſupported, not only by the ſpiral Figure, which they form when put together, but likewiſe by the Traces or Markings of ſuch-like Articulations, found on ſome particular Kinds of foſſil *Nautili* and *Ammonitæ*; one whereof I alſo lay before you, as a Proof of this Conjecture.

You will obſerve all the Parts of this uncommon Foſſil are converted into a ſort of ſparry Subſtance, and that they are articulated with one another in an exact and beautiful Order. I have faſtened them together in two Diviſions, that they may be examined more eaſily than they could be, if they were all ſeparate, and in Confuſion: And indeed I am not quite ſatisfied that theſe two Bundles belonged both to the ſame individual Animal; if they did, ſome Joints muſt be wanting that came between them, and united them together, as the two Ends do not at preſent match: And what makes me ſuſpect they did not, is a different Articulation to be obſerved on one Side of that Diviſion made up of the largeſt Joints: Beſides, the whole Number appears rather too much, and the ſmaller Joints ſeem to make up a Body whoſe Figure is nearly perfect.

Strand, Feb. 9. 1748-9. *Your moſt obedient humble Servant*,

H. Baker.

See TAB. II.

Fig. 1. The larger Joints.

Fig. 2. The ſmaller Joints.

Fig. 3. and 4. The fore and back Side of a ſingle Joint.

P. S.

P. S. Dr. *Miles* ſays they belong to Dr. *Clark* of *St. Alban's*; that they were found in *Oxfordſhire*, and were formerly in the Poſſeſſion of the late Mr. *William Becket* Surgeon, *F. R. S.*

XI. *The Caſe of Mr.* Smith, *Surgeon, at* Sudbury *in* Suffolk; *the Coats of whoſe* Stomach *were changed into an almoſt cartilaginous Subſtance; communicated by the Rev. Mr.* Murdock *to* Cromwell Mortimer *M. D. Secret. R. S.*

Rev. Sir, *Clare*, Oct. 11, 1747.

Read Feb. 9. 1748-9. AGreeable to your Deſire I ſend you the material Particulars of Mr. *Smith's* Caſe. As there was ſomething uncommon in it, and as it may be for the Benefit of Mankind, which was the Deſign, and a generous one it was, of my deceaſed Friend, in reſolving a good while before his Death to be opened, I ſhall take it as a Favour that you will communicate it to Dr. *Mortimer*. I could not, for the Thing ſtruck me very ſtrongly, forbear making a few Remarks: But I leave it intirely to your Diſcretion to ſuppreſs or ſend them with the Caſe. I am,

Dear Sir,

Yours moſt ſincerely,

J. Sayer.

The

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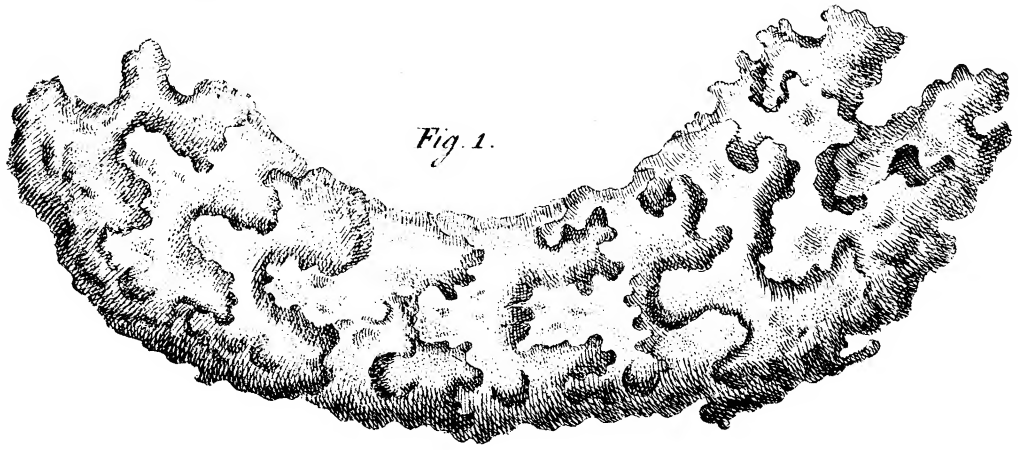


Fig. 1.

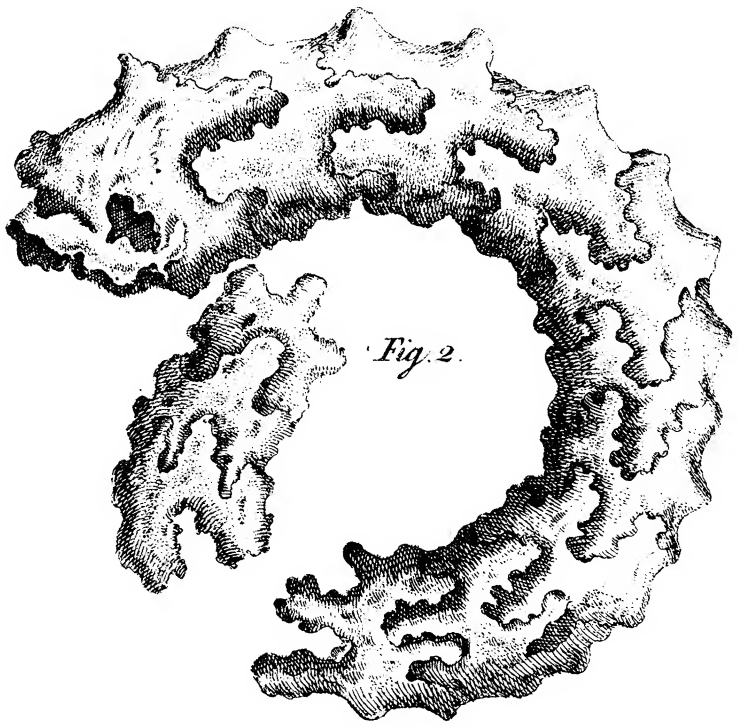
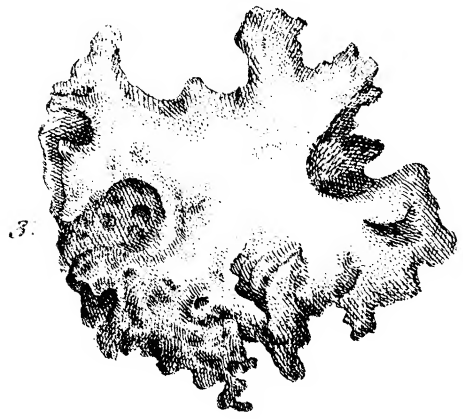


Fig. 2.

Fig. 3.



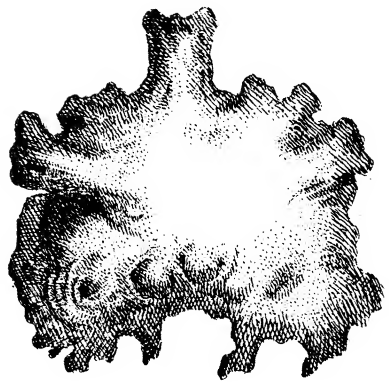


Fig. 4.

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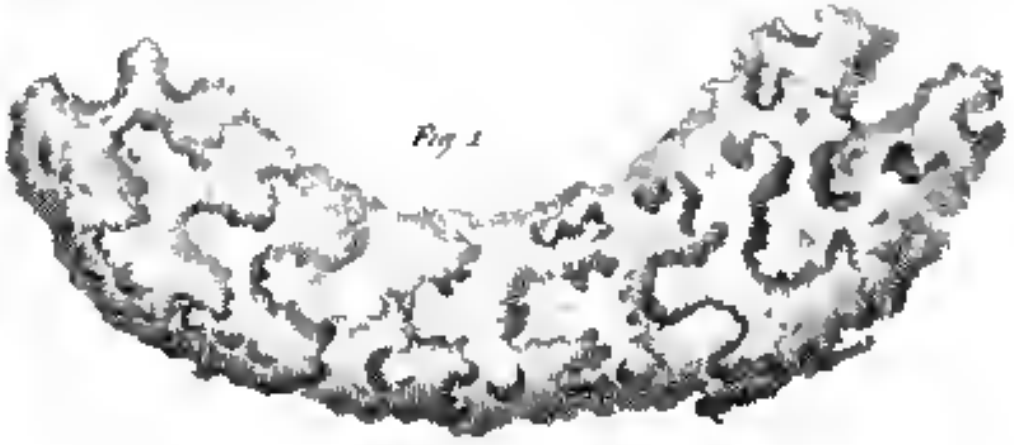

Fig 1

Fig 2

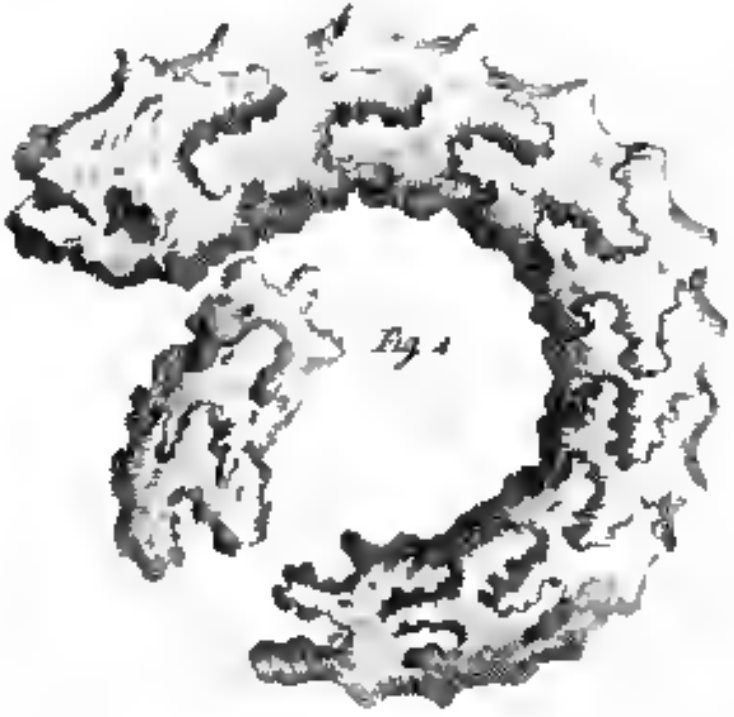

Fig 3

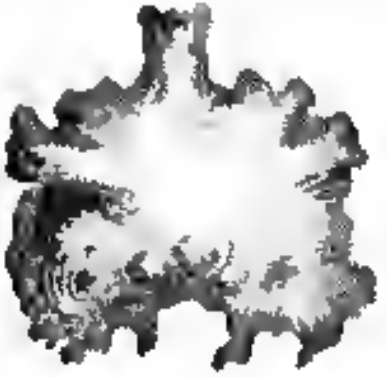

Fig 4

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